

**Wednesday, March 19, 1997**  
**SPECIAL SESSION**  
**SYMPOSIUM: NEW RESULTS ON THE POSSIBILITY OF LIFE**  
**IN A MARTIAN METEORITE**  
**2:30 p.m. Building 2**

**Chairs: D. C. Black  
D. Blanchard**

McKay D. S.\* Gibson E. K. Thomas-Keprta K. L. Romanek C. S. Allen C. C.  
*Possible Biofilms in ALH84001*

Bradley J. P. Harvey R. P.\* McSween H. Y. Jr.  
*Magnetite Whiskers and Platelets in the ALH 84001 Martian Meteorite: Evidence of Vapor Phase Growth*

Thomas-Keprta K. L.\* Romanek C. Wentworth S. J. McKay D. S. Fisler D. Golden D. C. Gibson E. K.  
*TEM Analysis of Fine-Grained Minerals in the Carbonate Globules of Martian Meteorite ALH84001*

Shearer C. K.\* Spilde M. N. Wiedenbeck M. Papike J. J.  
*The Petrogenetic Relationship Between Carbonates and Pyrite in Martian Meteorite ALH84001*

Leshin L. A.\* McKeegan K. D. Harvey R. P.  
*Oxygen Isotopic Constraints on the Genesis of Carbonates from Martian Meteorite ALH84001*

Vali H.\* Zhang C. Sears S. K. Lin S. Phelps T. J. Cole D. Onstott T. C. Kirschvink J. L.  
Williams-Jones A. E. McKay D. S.  
*Formation of Magnetite and Fe-rich Carbonates by Thermophilic Bacteria from Deep Terrestrial Subsurface: A Possible Mechanism for Biomineralization in ALH 84001*